

Title (en)

ARRANGEMENT FOR SURFACE TREATMENT, ESPECIALLY THE CLEANING OF THE SURFACES OF LARGE OBJECTS

Title (de)

ANORDNUNG ZUR OBERFLÄCHENBEARBEITUNG, INSBESONDERE ZUR OBERFLÄCHENREINIGUNG VON GROSSOBJEKTEN

Title (fr)

SYSTEME DE TRAITEMENT DE SURFACE, NOTAMMENT DE NETTOYAGE DE SURFACE POUR OBJETS DE TAILLE IMPORTANTE

Publication

EP 0715584 B1 19970423 (DE)

Application

EP 94924852 A 19940806

Priority

- DE 4329254 A 19930831
- EP 9402611 W 19940806

Abstract (en)

[origin: DE4428069A1] The invention relates to an arrangement for cleaning the surfaces of aircraft having a large manipulator having an articulated mast which is composed of a plurality of extension arms (12, 12', 12'', 14) which can be pivoted on swivel joints (20, 22, 24, 28) towards one another by means of hydraulic drive assemblies (30) and is mounted on a pivot bearing frame (11) of a motor-driven undercarriage (10) by its base extension arm (12) so as to be rotatable about a vertical axis (11') and having a rotating brush head (18) which is arranged on the free end of a multijoint (16) which is arranged on an end extension arm (14). In order to provide starting assistance for the undercarriage (10), adjustment of the position of the large manipulator with respect to the aircraft and/or monitoring of the washing process there is provided on the pivot bearing frame (11) of the articulated mast an optoelectronic distance imaging camera (40) which can be aligned with respect to the aircraft (44) to be processed and there is also provided a computer-assisted evaluation electronic system which can receive the output signals of the distance imaging camera (40). <IMAGE>

IPC 1-7

B64F 5/00; **B60P 1/54**

IPC 8 full level

B60S 3/04 (2006.01); **G01S 17/89** (2020.01); **B60P 1/54** (2006.01); **B63B 59/06** (2006.01); **B63B 59/08** (2006.01); **B64F 5/00** (2006.01); **B64F 5/30** (2017.01)

CPC (source: EP US)

B63B 59/06 (2013.01 - EP US); **B64F 5/30** (2016.12 - EP US); **G01S 17/89** (2013.01 - EP US); **Y10S 15/02** (2013.01 - US)

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

DE 4428069 A1 19950302; AU 7498394 A 19950322; DE 59402554 D1 19970528; EP 0715584 A1 19960612; EP 0715584 B1 19970423; JP H09501886 A 19970225; US 5720069 A 19980224; WO 9506587 A1 19950309

DOCDB simple family (application)

DE 4428069 A 19940809; AU 7498394 A 19940806; DE 59402554 T 19940806; EP 9402611 W 19940806; EP 94924852 A 19940806; JP 50789395 A 19940806; US 60276396 A 19960223